

K1 Lube Hydraulic HV

Top Performance Wide Temperature Range Antiwear Hydraulic Fluid

ISO VG 15, 22, 32, 46, 68, 100



DESCRIPTION

K1 Lube Hydraulic HV is a premium quality, shear stable, multi-viscosity, anti-wear hydraulic fluid, designed for use in hydraulic systems subjected to wide variations in ambient and operating temperatures (Excavator : 2000 hrs).

APPLICATIONS

- Industrial hydraulic equipment subject to wide variation in temperatures
- Hydraulic Systems in mobile, construction and agricultural equipment
- Industrial Hydraulic systems with vane, gear or piston pumps
- Fork-lift trucks
- Enclosed gears operating under moderate load conditions
- Industrial circulating systems where a rust and oxidation inhibitor or antiwear oil is required

PERFORMANCE STANDARDS

- Bosch Rexroth RDE 90235
- Parker HF-0/1/2
- Eaton E-FDGN-TB002-E
- Fives P68/P69/P70
- DIN 51524-2/3
- ISO 11158
- GB 11118.1
- ASTM D6158
- SAE MS 1004
- JCMAS P041 HK
- GM LS-2
- AIST 126/127
- SEB 181222

CUSTOMER BENEFITS

Wide temperature application

Shear stable, multi-viscosity characteristics reduce the risk of breakdown in high pressure & high load hydraulic systems which operate over a wide temperature range.

Longer equipment life

Special anti-wear additive package reduces wear by protecting surfaces when applied load causes breakdown of the lubricating film.

Reduced downtime

Effective rust and oxidation inhibitor system prevents

- the production of abrasive particles from rust & deposits
- varnishes and sludges from oil breakdown which can damage equipment surfaces & seals
- filters being blocked prematurely

Trouble-free operation

Good hydrolytic stability and water separation characteristics provide excellent filterability in the presence of water contamination. Good anti-foam and air release properties ensure smooth operation and system efficiency.

Extended oil service life

High oxidation stability resists oil thickening and deposit formation in service, eliminating the need for unscheduled change of hydraulic fluid.

KEY PROPERTIES

ISO VG	15	32	46	68
Kinematic Viscosity, mm ² /s @ 40°C	15.8	32.3	46.6	69.3
Kinematic Viscosity, mm ² /s @ 100°C	3.9	6.4	8.2	11.1
Viscosity Index	148	150	152	151
Pour Point °C	-54	-40	-33	-39
Flash Point °C	208	244	250	256
Specific gravity	0.835	0.843	0.849	0.858
Package (Liters)	20	20	20	20